

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) An apparatus comprising an optical input device controlled by a moving object near a window and an optical keyboard, wherein the optical input device comprises at least two optical sensor units comprising at least two diode lasers for supplying at least two measuring beams and converting means for converting measuring beam radiation reflected by the object into an electric signal, which converting means are constituted by the combination of a laser cavity and measuring means for measuring changes in operation of the laser cavity, which are due to interference of reflected measuring beam radiation re-entering the laser cavity and the optical wave in this cavity and which are representative of the movement of the object, wherein at least two paths of the at least two measuring beams from the at least two

diode lasers to the window extend through at least two light guides of the optical keyboard, said at least two paths including mirrors and passing through the window, wherein each key of the optical keyboard along said at least two paths is associated with only a single path of said at least two paths.

2.(Previously Presented) The apparatus as claimed in claim 1, wherein the at least two sensor units are arranged relative to the optical keyboard such that the at least two measuring beams pass on their way to the device window positions of a first set of keys and positions of a second set of keys, respectively, the first set and the second set together comprising all keys to be controlled.

3.(Previously Presented) The apparatus as claimed in claim 1, wherein the optical input device comprises at least three sensor units, which are arranged relative to the optical keyboard such that at least three measuring beams of first, second and third sensor units pass, on their way to the device window, positions of a first, a second and a third set of keys, respectively, the first, second and third set comprising all keys to be controlled.

4.(Previously Presented) The apparatus as claimed in claim 1, wherein the at least one sensor unit of the two sensor units is adapted to measure both a scroll movement and a click movement and provided with additional means, which allow establishing the presence of an object on the window of the device.

5.(Previously Presented) The apparatus as claimed in claim 4, wherein the additional means are constituted by means for establishing whether the reflected measuring beam radiation shows an amplitude variation of a frequency lower than the frequencies of variations caused by a scroll movement.

6.(Previously Presented) The apparatus as claimed in claim 5, wherein the said at least one sensor unit comprises a first radiation-sensitive detector for measuring variations in the laser cavity, wherein the additional means is constituted by a second radiation-sensitive detector arranged for receiving measuring beam radiation, which is non-incident on the laser cavity.

7.(Previously Presented) The apparatus as claimed in claim 4, wherein the additional means are constituted by electronic means for detecting a component in an output signal of said measuring means.

8.(Previously Presented) The apparatus as claimed in claim 4, wherein said at least one sensor unit is activated by activation pulses and the measuring means perform measurements during time intervals determined by the activation pulses, wherein the additional means comprises counting means and comparing means to establish whether a number of undulations in the output signal measured during a first half and a second half of a said time interval are equal.

9.(Previously Presented) The apparatus as claimed in claim 1, wherein the measuring means of the optical input device are means for measuring a variation of an impedance of the laser cavity.

10.(Previously Presented) The apparatus as claimed in claim 1, wherein the measuring means is a radiation-sensitive detector

for measuring radiation emitted by one laser diode of the at least two diode lasers.

11. (Previously Presented) The apparatus as claimed in claim 5, wherein a radiation-sensitive detector is arranged at a rear side of the laser cavity.

12. (Previously Presented) The apparatus as claimed in claim 6, wherein the second detector is arranged at a side of the laser cavity where the measuring beam is emitted.

13. (Previously Presented) The apparatus as claimed in claim 1, wherein the apparatus is a mobile phone.

14. (Previously Presented) The apparatus as claimed in claim 1, wherein the apparatus is a cordless phone.

15. (Previously Presented) The apparatus as claimed in claim 1, wherein the apparatus is a laptop computer.

16. (Previously Presented) The apparatus as claimed in claim 1, wherein the apparatus is a hand-held computer.

17. (Previously Presented) The apparatus as claimed in claim 1, wherein the apparatus is a keyboard for a desk computer.

18. (Previously Presented) The apparatus as claimed in claim 1, wherein the apparatus is a remote control for a TV set.

19. (Previously Presented) An apparatus having an optical keyboard and an optical input device controlled by a moving object near a window, the optical input device comprising at least two optical sensor units including at least two diode lasers for supplying at least two measuring beams and converting means for converting a reflected beam reflected by the moving object into an electric signal, wherein at least two paths of the measuring beam from the at least two diode lasers to the window include mirrors and pass through the window, wherein each key of the optical keyboard along said at least two paths is associated with only a single path of said at least two paths.

20.(Previously Presented) An optical input device controllable by a moving object near a window of an optical keyboard, the optical input device comprising:

at least two diode lasers for supplying a measuring beam for reflection from the moving object; and

at least two detectors configured to convert a reflected beam reflected by the moving object into an electric signal, wherein at least two paths of the measuring beam from the at least two diode lasers to the window include mirrors pass through the window wherein each key of the optical keyboard along said at least two paths is associated with only a single path of said at least two paths.

21.(Previously Presented) The apparatus of claim 1, wherein the at least two guides are independent from each other and meet only at the window.

22.(Previously Presented) The apparatus of claim 19, wherein the at least two paths are independent from each other and meet

only at the window.

23. (Previously Presented) The optical input device of claim 20, wherein the at least two paths are independent from each other and meet only at the window.

24. (New) The apparatus of claim 1, wherein one of the at least two light guides includes a protruding element, such that one of the at least two measuring beams is coupled into the optical keyboard only at positions where the at least two paths cross each other, the positions including recessions.

25. (New) The apparatus of claim 1, wherein the least two optical sensor units are configured to measure changes in the at least two measuring beams for determining which key of the optical keyboard is pushed.